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5/29/02

PATENTS

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of LUTZ AXEL MAY, et al.

Serial No. 09/937,230

International Appln. No. PCT/GB00/01103

Filed in U.S.: September 21, 2001

For: MAGNETISED TORQUE TRANSDUCER ELEMENTS

PRELIMINARY AMENDMENT B

Assistant Commissioner for Patents

Washington, D.C. 20231

Box Non-Fee Amendment

Sir:

Please enter this amendment:

IN THE CLAIMS

Please cancel claims 1 - 22 and insert new claims 23 - 50:

23. A transducer element of a magnetic material for a torque or force sensor which comprises: at least one annulus of magnetised material extending about an axis,
- the at least one annulus being magnetised such that a closed loop of magnetic flux is established in the magnetic material,
- the at least one annulus being responsive to a torque applied about said axis for a torque sensor or to a bending moment acting about said axis due to an applied force for a force sensor, as the case may be, to emanate a magnetic field component externally of said element that is a function of the applied torque or the applied force, as the case may be,